

PAT-NO: JP410192896A  
DOCUMENT-IDENTIFIER: JP 10192896 A  
TITLE: SLUDGE TREATMENT FACILITY

PUBN-DATE: July 28, 1998

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APPL-NO: JP08358335  
APPL-DATE: December 27, 1996

INT-CL (IPC): C02F011/00 , B01D053/56

ABSTRACT:

PROBLEM TO BE SOLVED: To dispose of organic sludge without implementing pretreatment such as drying, to reduce treatment costs, to decrease NOx in exhaust gas from a kiln, to increase the denitration percentage of NOx in the exhaust gas, and to deodorize the exhaust gas.

SOLUTION: A cement raw material (a) is burned in a kiln 4 to be converted into cement clinker (a'). On this occasion, organic sludge (b) in a storage tank 5 is supplied to a kiln end part 4a by the slurry pump 13 of a sludge introduction apparatus 6. As a result, NOx in exhaust gas during burning is reduced by the denitration effect of ammonia contained in the organic sludge. Since waste organic sludge (b) is used, the costs of NOx reduction are reduced. Although pretreatment such as drying has been required for the incineration of the organic sludge (b), since water in the organic sludge (b) is evaporated by the heat during the burning of the cement raw material

(a) and ammonia is decomposed during denitration, the organic sludge can be disposed of efficiently without pretreatment.

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